

U.S. Army Materiel Command

Army's Approach to Interoperability
Presented to
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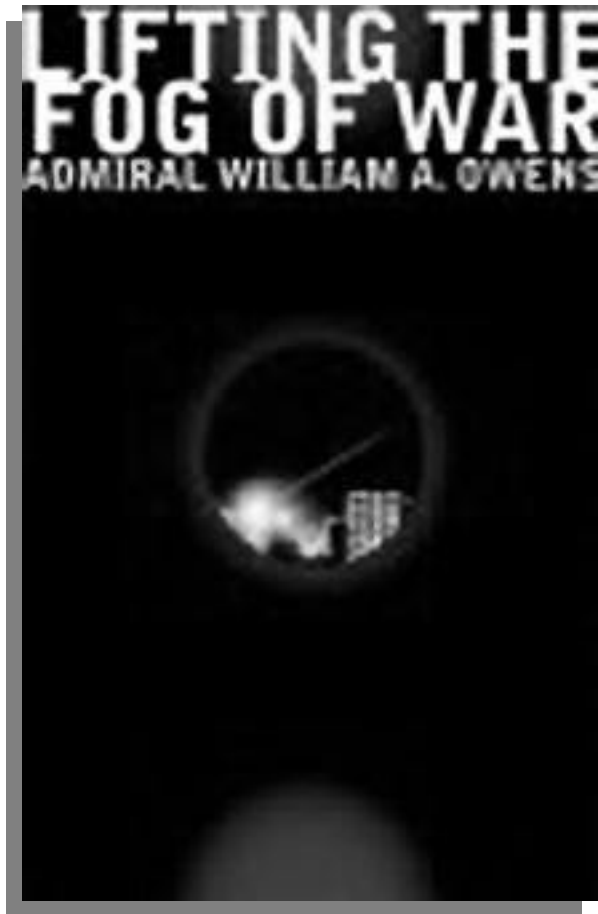


AMC-Army Readiness Command - Supporting Every Soldier Every Day

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Lifting the Fog of War

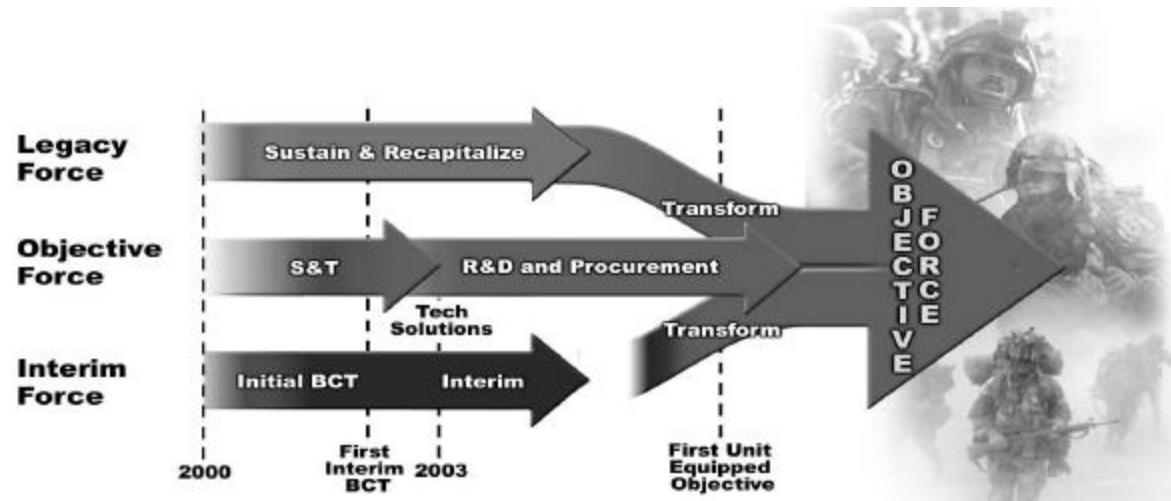
by ADM William A. Owens



- **Army/Air Force disputes over target priorities - Persian Gulf War.**
- **Army reluctant to add helicopters to the Air Tasking Order controlled by Air Force - Kosovo.**
- **Inability to integrate Apaches with JSTARs, EC130s, F-16CJs.**
- **Army Force XXI/AAN wedded to Corps/Division structure.**
- **Army attempts to graft Info Age technology on WWII Force Structure.**
- **Little effort to integrate new designs with other Services.**



Army Transformation



Responsive
Deployable
Agile
Versatile
Lethal
Survivable
Sustainable

BDE - 96 Hours
1 Division - 120 Hours
5 Divisions - 30 Days



Army Transformation Lines of Operation

AXIS I Trained & Ready

Line of Operation 1: Strategic Requirements & Planning (DAMO-SS)
Line of Operation 2: Modernization & Recapitalization (DCSOPS-FD)
Line of Operation 3: Manning the Force & Investing in Quality People(DCSPER)
Line of Operation 4: Maintain Unit Readiness & Training (DCSOPS-OD)
Line of Operation 5: Training & Leader Development (TRADOC)

AXIS II Transforming the Operational Force

Line of Operation 6: Joint / Army Strategy & Concepts (DCSOPS-SS)
Line of Operation 7: Army Doctrine (TRADOC)
Line of Operation 8: Operational Force Design (TRADOC)
Line of Operation 9: Deploying & Sustaining the Force (DCSLOG)
Line of Operation 10: Develop & Acquire Advanced Technology (AMC)

AXIS III Transforming the Institutional Army

Line of Operation 11: Institutional Army Design (DCSOPS-FD)
Line of Operation 12: Installations (ACSIM)

Supporting Lines

Line of Operation 13: Strategic Communications (CSG)
Line of Operation 14: Resourcing (PAE/Dep ASA for Army Budget)

Campaign Plan



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Army's Interoperability Objectives



Design & Build Interoperable

Field Interoperable

Recap, Rebuild Interoperable



Interoperability Challenges

- **No coherent view of the battlespace from CINC to soldier/sailor/airman.**
- **Inability to prosecute a coordinated strategy because multiple systems are conceived and developed individually.**
- **Problems are compounded by:**
 - **Evolving Technology**
 - **New Missions**
 - **New Coalition Partners**
 - **Stovepiped Intelligence Sources**



Army's Interoperability Initiatives

- **Army Enterprise Architecture**
 - Addresses C4I infrastructure from garrison to tactical platform.
- **Intra-Army Interoperability Certification Policy**
- **System of Systems Interoperability Evaluation Tool and Database**
- **Chief Information Officer Assessment**



Army Assessment and Validation Organizations

- **Central Test Support Facility (CTSF)**
- **Digital Interoperability Lab (DIL)**
- **Army Configuration Control Board (CCB)**
- **Protocol investigation For Next Generation (PING) Lab**

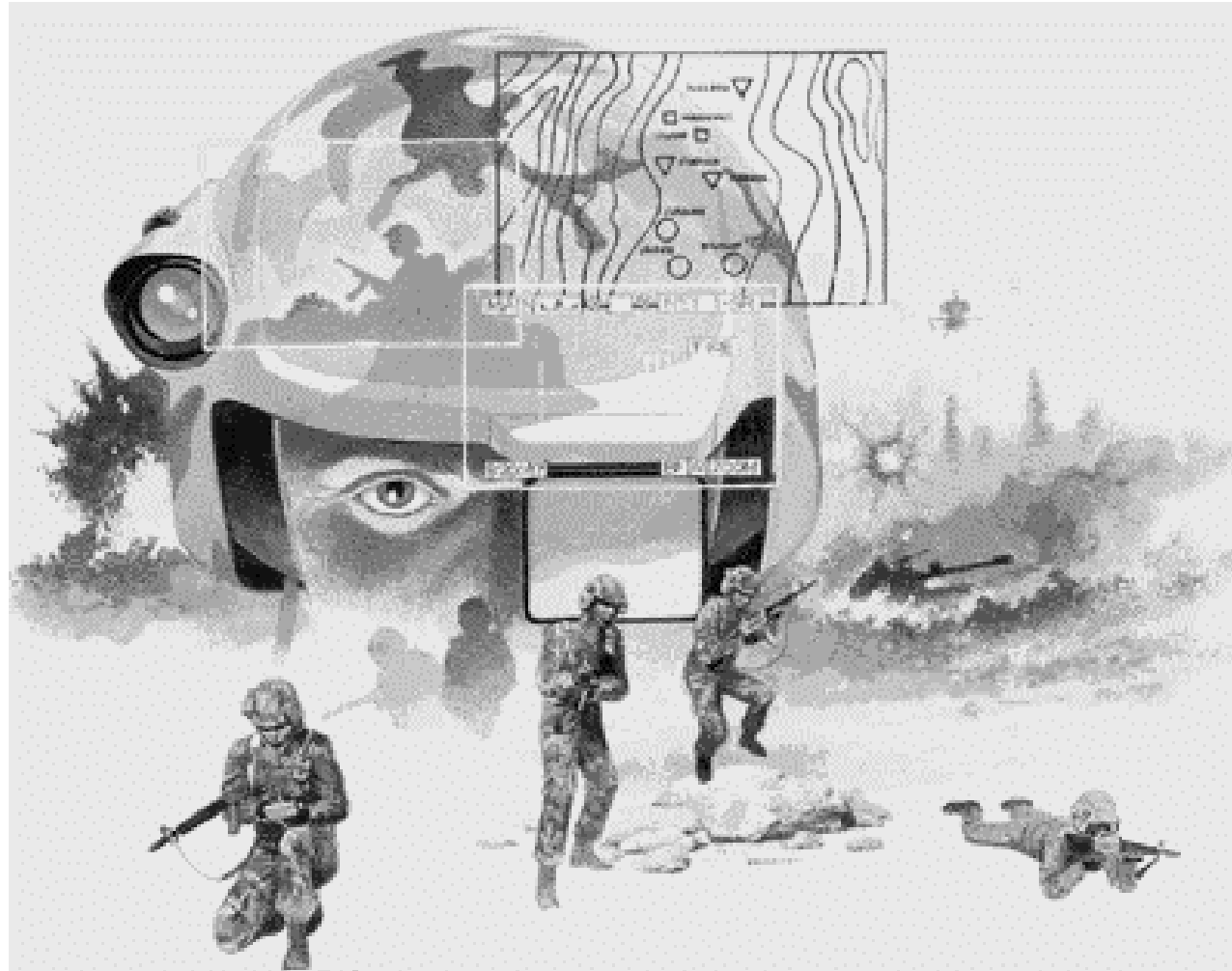


Army's Interoperability Milestones

Phase 1 -
First Digitized
Division 9/30/00

Phase 2 -
First Digitized
Corps 9/30/04

Phase 3 -
All Army
Systems
JTA - Army
compliant
9/30/06



Revolution in Military Logistics (RML)

RML Tenets

**Seamless
Logistics System**

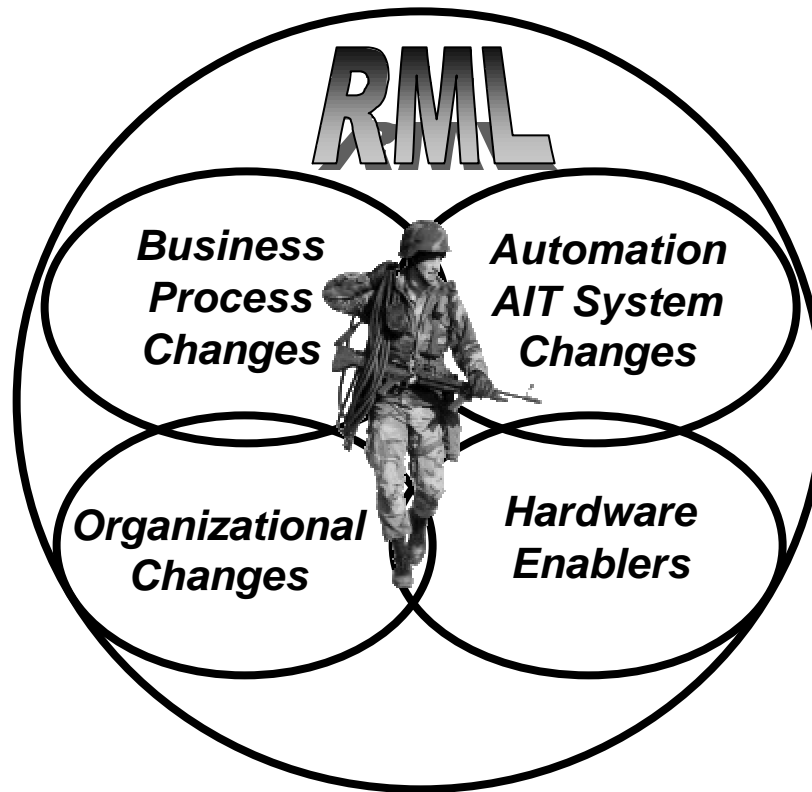
**Distribution
Based Logistics**

**Rapid
Force Projection**

**Total
Asset Visibility**

**Agile
Infrastructure**

**Adequate
Logistics Footprint**



National Maintenance Program

Recapitalization

Single Stock Fund

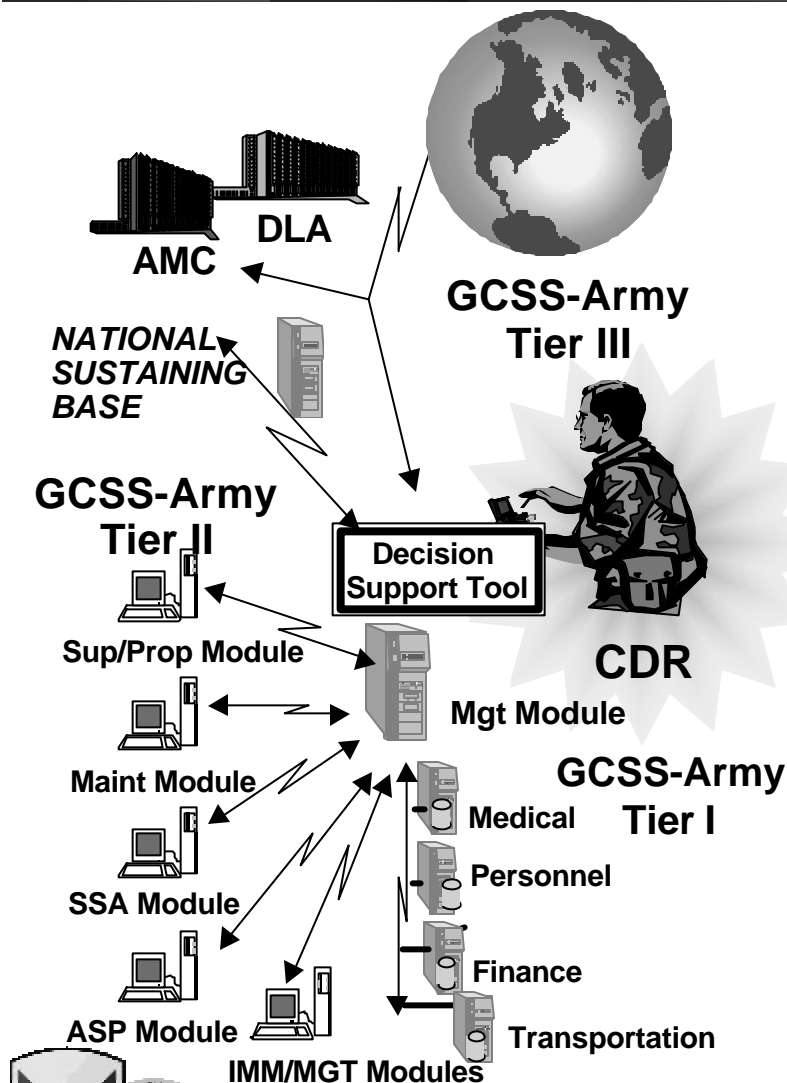
Global Combat Support System - Army

Wholesale Logistics Modernization Program (WLMP)



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Global Combat Service Support-Army



- Interfaces/Integrates all Combat Service Support Information Systems (personnel, medical, supply, transportation, finance)
- Provides Commander with Complete Asset Visibility
- Tier 1 - Retail Integration and Modernization of Legacy Systems
- Tier 2 - Wholesale/Retail Systems Integration -- Business Process Engineering
- Tier 3 - Joint Interoperability



Summary

The Army's Interoperability Goals:

- **Army systems are built and fielded interoperable.**
- **Army systems are assessed/evaluated/certified for both intra-Army AND joint interoperability.**
- **Army is proceeding to institutionalize interoperability.**

